

Here is the translation of JP2001-136470. Description of the second embodiment (paragraph 0027 – 0032) and Fig. 5 are translated.

<Partial Translation of JP2001-136470>

[0027] Next, the second embodiment of the present invention will be explained. Because the hardware configuration of the program recorder according to the second embodiment is same as that of the first embodiment, the explanation of the hardware configuration is omitted. In the first embodiment, the program recorder detects the finish time of a program and continues to output instruction for recording the receiving program until the finish time. On the other hand, the program recorder according to the second embodiment measures the time period during which selected channel is kept selected, and outputs instruction for recording after the measured time exceeds the predetermined time.

[0028] Fig 5 shows a flowchart illustrating the processes performed by the microcomputer 5 of the program recorder. The steps for same process as that of Fig. 4 are designated by same step numbers, and the explanation thereof will be omitted. After the channel of the selected signal is recognized in step S5, the measurement of the time will be started by using the clock embedded in the microcomputer 5 in step S21.

[0029] Next, whether channel is changed or not is determined in step S22. If the channel is changed, the process goes back to step S5 and the selected channel is recognized. Then, the measurement of time is started with resetting the measured time to "0" in step S21. If the channel is not changed, the measurement of the time is continued in step S23, and whether the measured time exceeds a predetermined time T (for example, 5 minutes) (measured time > T) is determined. Here, the predetermined time T is a default value or a value set by a user.

[0030] If the measured time does not exceed the predetermined time T, it is considered that the condition for recording is not satisfied, and the process goes back to step S21 to continue the measurement of the time. If the measured time exceeds the predetermined time T, it is considered that the program is what the user wants to watch, and an instruction for recording is outputted to the recording control unit 13 in step S24.

[0031] Next, whether channel is changed or not is determined again in step S25. If the channel is changed, the process goes back to S5 and the above processes will be repeated. Thus, the recording of the same program is continued unless the channel is changed, and if the channel is changed, the change of the recording program is performed when the measured time exceeds T.

[0032] If it is determined that the channel is not changed in step S25, whether the receiving of the program is finished or not is determined. If the receiving is not finished, the process goes back to step S24. If the receiving is finished and the user turns off the power of the display unit 7, an instruction to stop recording is outputted to the recording control unit 13 in step S27, and the process ends.

Fig. 5

